

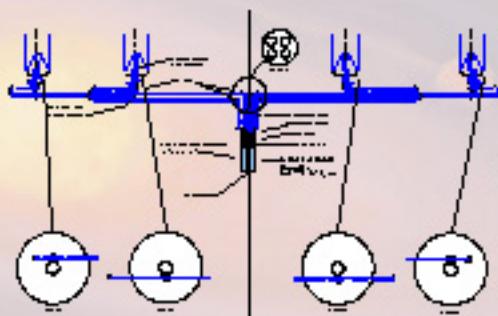


# TPF Science, Technology, and Design Expo '03



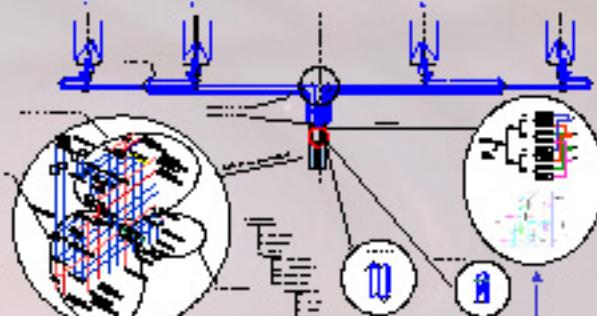
## Structurally Connected Interferometer Optical Schematic & Block Diagram

Optical Schematic of SCI Beam Train  
(1 of 2)



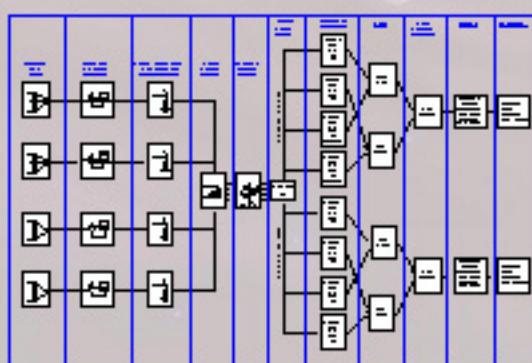
This optical schematic shows a 3-Mirror telescope path which is one of several optical designs being studied. The fields for the three relay lenses are actually cut to plasma and metric scales.

Optical Schematic of SCI Beam Train  
(2 of 2)



This is a schematic of one of several fields being studied.  
This will diagram show the parameters of the different relaying.  
The relay system will gather the telescope pupil to the optics of the beam combiner.

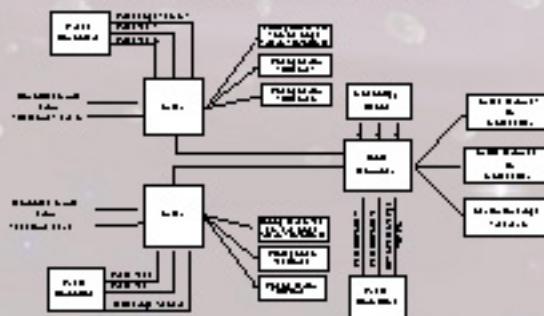
Optical Schematic for Both  
Spectral Bands



The interferometer system can be broken down to its functional areas to help generate a Work Breakdown Structure (WBS).

Optical Schematic for Both  
Spectral Bands

Sensors and Mechanisms for One Spectral Band



This is a simplified view of the sensors and controllers that will be required on the beam combiner. An identical system will be required on the second spectral band.